

Title (en)

HEAT-EXPANSIVE AND REPEELABLE ACRYLIC PRESSURE-SENSITIVE ADHESIVE TAPE OR SHEET

Title (de)

THERMOEXPANSIVES WIEDERABLÖSBARES ACRYLHAFTKLEBEBAND ODER -FOLIE

Title (fr)

RUBAN ADHÉSIF OU FEUILLE ADHÉSIVE SENSIBLE À LA PRESSION ACRYLIQUE EXPANSIBLE À LA CHALEUR ET REPELABLE

Publication

**EP 2423286 A1 20120229 (EN)**

Application

**EP 10767000 A 20100415**

Priority

- JP 2010056756 W 20100415
- JP 2009102688 A 20090421
- JP 2009102698 A 20090421

Abstract (en)

Provided is a heat-expandable removable acrylic pressure-sensitive adhesive tape that has high normal-state adhesive power when bonded independently of whether the adherend has or does not have irregular surface and permits easy separation when the bonded region is separated and disassembled by lowering the adhesive power by heating, that permits easily separation-decomposition, even after long-term storage at high temperature. The heat-expandable removable acrylic pressure-sensitive adhesive tape or sheet according to the present invention includes at least a heat expanding agent-containing pressure-sensitive adhesive layer, and the tape or sheet has an initial 90° peel adhesive strength to a polycarbonate plate as adherend of 10 N/25 mm or more and a 90° peel adhesive strength after storage in an atmosphere at 80°C for 2 months as bonded to the polycarbonate adherend and after heat expansion treatment of less than 10 N/25 mm.

IPC 8 full level

**C09D 133/08** (2006.01); **C09J 4/02** (2006.01); **C09J 5/00** (2006.01); **C09J 7/02** (2006.01); **C09J 11/00** (2006.01); **C09J 133/00** (2006.01); **C08F 220/18** (2006.01); **C08F 222/10** (2006.01); **C08K 9/10** (2006.01)

CPC (source: EP KR US)

**C08F 220/1808** (2020.02 - EP KR US); **C09D 133/08** (2013.01 - EP US); **C09J 4/00** (2013.01 - KR); **C09J 5/00** (2013.01 - EP KR US); **C09J 7/22** (2017.12 - KR); **C09J 7/30** (2017.12 - KR); **C09J 7/385** (2017.12 - EP KR US); **C09J 11/00** (2013.01 - KR); **C09J 133/00** (2013.01 - EP KR US); **C08F 222/102** (2020.02 - EP KR US); **C08F 222/103** (2020.02 - EP KR US); **C08K 9/10** (2013.01 - EP US); **C09J 2301/302** (2020.08 - KR); **C09J 2301/408** (2020.08 - EP KR US); **C09J 2301/412** (2020.08 - EP KR US); **C09J 2301/502** (2020.08 - EP KR US); **Y10T 428/249983** (2015.04 - EP US); **Y10T 428/25** (2015.01 - EP US)

Cited by

WO2014067667A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**EP 2423285 A1 20120229**; **EP 2423285 A4 20130918**; CN 102405268 A 20120404; CN 102405269 A 20120404; EP 2423286 A1 20120229; EP 2423286 A4 20130918; JP WO2010122942 A1 20121025; JP WO2010122943 A1 20121025; KR 20110137810 A 201111223; KR 20120022806 A 20120312; US 2012034447 A1 20120209; US 2012040177 A1 20120216; WO 2010122942 A1 20101028; WO 2010122943 A1 20101028

DOCDB simple family (application)

**EP 10766999 A 20100415**; CN 201080017527 A 20100415; CN 201080017542 A 20100415; EP 10767000 A 20100415; JP 2010056754 W 20100415; JP 2010056756 W 20100415; JP 2011510299 A 20100415; JP 2011510300 A 20100415; KR 20117024907 A 20100415; KR 20117024919 A 20100415; US 201013265374 A 20100415; US 201013265399 A 20100415